

Connecting via Winsock to STN

Welcome to STN International! Enter :::

LOGINID:SSPTAJHM1624

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'CAPLUS' AT 17:49:51 ON 19 SEP 2007  
FILE 'CAPLUS' ENTERED AT 17:49:51 ON 19 SEP 2007  
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	102.95	564.39
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-14.82	-28.08
=> file registry		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	103.42	564.86
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-14.82	-28.08

FILE 'REGISTRY' ENTERED AT 17:50:20 ON 19 SEP 2007  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1  
DICTIONARY FILE UPDATES: 18 SEP 2007 HIGHEST RN 947490-11-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

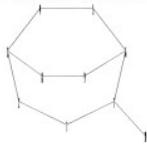
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

10573132.trn

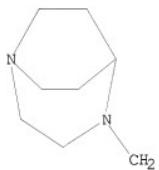
=>  
Uploading C:\Program Files\Stnexp\Queries\10 series\10573132\10573132a.str



chain nodes :  
10  
ring nodes :  
1 2 3 4 5 6 7 8 9  
chain bonds :  
7-10  
ring bonds :  
1-2 1-7 2-3 3-4 3-8 4-5 5-6 6-7 6-9 8-9  
exact/norm bonds :  
1-2 1-7 2-3 3-4 3-8 4-5 5-6 6-7 6-9 8-9  
exact bonds :  
7-10  
  
Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

L10 STRUCTURE UPLOADED

=> d 110  
L10 HAS NO ANSWERS  
L10 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 110  
SAMPLE SEARCH INITIATED 17:50:42 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 3760 TO ITERATE

10573132.trn

53.2% PROCESSED 2000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

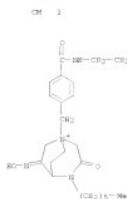
2 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 71523 TO 78877  
PROJECTED ANSWERS: 2 TO 191

L11 2 SEA SSS SAM L10

=> d scan

L11 2 ANSWERS RECORDED. COPYRIGHT 2007 ACS on STN  
 3D 4-(4-(1-azabicyclo[3.2.2]octane-4-yl)-4-hexyl-4-(hydroxymethyl)-3-oxo-1-{[4-  
 with [(3-oxo-3-(2-propoxy)propyl]amino}carbonylphenyl]methyl-, salt  
 MW C27 H39 N4 O5 . C2 F3 O2



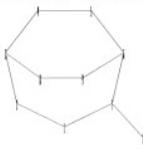
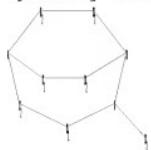
CH 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1) 0

10573132.trn

=>  
Uploading C:\Program Files\Stnexp\Queries\10 series\10573132\10573132b.str

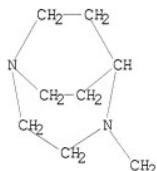


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10  
ring nodes :  
1 2 3 4 5 6 7 8 9  
chain bonds :  
7-10  
ring bonds :  
1-2 1-7 2-3 3-4 3-8 4-5 5-6 6-7 6-9 8-9  
exact/norm bonds :  
1-2 1-7 2-3 3-4 3-8 4-5 5-6 6-7 6-9 8-9  
exact bonds :  
7-10

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

L12 STRUCTURE UPLOADED

=> d 112  
L12 HAS NO ANSWERS  
L12 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 112

10573132.trn

SAMPLE SEARCH INITIATED 17:51:59 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 3760 TO ITERATE

53.2% PROCESSED 2000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

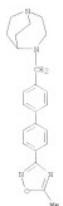
1 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 71523 TO 78877  
PROJECTED ANSWERS: 1 TO 119

L13 1 SEA SSS SAM L12

=> d scan

LIT 1 ANSWERS RECENTLY COPYRIGHT 2007 ACS on STN  
20 1,4-Dihydrocyclo[3.2.2]nonane,  
4-[(4-(5-methyl-1,2,4-oxadiazol-3-yl)-1,1'-  
biphenyl)-4-yl]methyl]-  
MF C33 H38 N4 O



\*\*PROPERTY DATA AVAILABLE IN THE "PROP" FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

10573132.trn

=> s l12 full  
FULL SEARCH INITIATED 17:52:15 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 76206 TO ITERATE

100.0% PROCESSED 76206 ITERATIONS  
SEARCH TIME: 00.00.02

65 ANSWERS

L14 65 SEA SSS FUL L12

=> d scan

L14 65 ANSWERS REGISTRY 2007 ACS on ZTH  
3D 1,4-Diastabicyclo[3.2.2]nonane, 4-[(5-bromo-2-phenyl)methyl]- (9C1)  
MF C18 H22 N2 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L14 65 ANSWERS REGISTRY 2007 ACS on ZTH  
3D 1,4-Diastabicyclo[3.2.2]nonane, 4-[(5-phenyl-2-phenyl)methyl]- (9C1)  
MF C18 H22 N2 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	173.45	738.31
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-28.08

FILE 'CAPLUS' ENTERED AT 17:52:33 ON 19 SEP 2007  
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FILE COVERS 1907 - 19 Sep 2007 VOL 147 ISS 13  
FILE LAST UPDATED: 18 Sep 2007 (20070918/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.  
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l14  
L15 9 L14

=> d l15 1-9 ibib abs hitstr



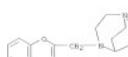
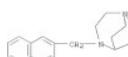




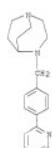
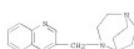
L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 849430-40-0 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(5-phenyl-2-furyl)methyl]- (9CI) (CA INDEX NAME)RN 849430-41-1 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(1,1'-biphenyl)-4-ylmethyl]- (9CI) (CA INDEX NAME)RN 849430-42-2 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(5-phenyl-2-thienyl)methyl]- (9CI) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 849430-43-3 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(2-benzofuranylmethyl)- (9CI) (CA INDEX NAME)RN 849430-44-4 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(2-naphthalenylmethyl)- (9CI) (CA INDEX NAME)RN 849430-45-5 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(3-phenyl-2-propenyl)- (9CI) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 849430-46-6 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(benzo[b]thiophen-3-ylmethyl)- (9CI) (CA INDEX NAME)RN 849430-47-7 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(4-(2-pyridinyl)phenyl)methyl]- (9CI) (CA INDEX NAME)RN 849430-49-9 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(7-quinolylmethyl)- (9CI) (CA INDEX NAME)L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
RN 849430-70-5 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(2-quinolyl)-2-thienylmethyl]- (9CI) (CA INDEX NAME)RN 849430-71-6 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(5-(2-pyridinyl)-2-thienyl)methyl]- (9CI) (CA INDEX NAME)RN 849430-72-4 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(5-(2-pyridinyl)-2-thienyl)methyl]- (9CI) (CA INDEX NAME)RN 849430-73-5 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(1,1'-biphenyl)-3-ylmethyl]- (9CI) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 844430-74-6 CAPLUS  
CH 1,4-Diisobutylcyclo[3.2.2]nonane, 4-(2-pyridinylmethyl)- (PCI) (CA INDEX NAME)



RI 844430-75-1 CAPLUS  
CH 1,4-Diisobutylcyclo[3.2.2]nonane, 4-[(4-phenoxy-2-pyridinyl)methyl]- (PCI) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 844430-77-9 CAPLUS  
CH 1,4-Diisobutylcyclo[3.2.2]nonane, 4-(3-phenylpropyl)- (PCI) (CA INDEX NAME)



RI 844430-78-0 CAPLUS  
CH 1,4-Diisobutylcyclo[3.2.2]nonane, 4-[(2-(phenylmethoxy)ethyl)- (PCI) (CA INDEX NAME)

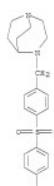


RI 844430-79-1 CAPLUS  
CH 1,4-Diisobutylcyclo[3.2.2]nonane, 4-[(4-bromo-2-furyl)methyl]- (PCI) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

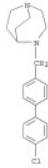


RI 844430-80-4 CAPLUS  
CH 1,4-Diisobutylcyclo[3.2.2]nonane, 4-[(4-(4-chlorophenoxy)butyl)furylphenyl)methyl]- (PCI) (CA INDEX NAME)



RI 844430-81-5 CAPLUS  
CH 1,4-Diisobutylcyclo[3.2.2]nonane, 4-[(4'-chloroo[1,1'-biphenyl]-4-yl)methyl]- (PCI) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 844430-82-6 CAPLUS  
CH 1,4-Diisobutylcyclo[3.2.2]nonane, 4-[(3'-(trifluoromethyl)[1,1'-biphenyl]-4-ylmethyl)- (PCI) (CA INDEX NAME)



RI 844430-83-7 CAPLUS  
CH 1,4-Diisobutylcyclo[3.2.2]nonane, 4-[(5-(2-pyridinyl)-2-thienyl)methyl]- (PCI) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 849430-84-0 CAPLUS  
CN 1,4-Diisobutylcyclo[3.2.2]nonane, 4-[(5-(4-pyridinyl)-2-thienyl)methyl]- (PCI) (CA INDEX NAME)

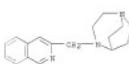


RI 849430-85-3 CAPLUS  
CN 1,4-Diisobutylcyclo[3.2.2]nonane, 4-[(4-(2-pyridinyl)-2-thienyl)methyl]- (PCI) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 849430-88-2 CAPLUS  
CN 1,4-Diazabicyclo[3.2.2]nonane, 4-(3-isquinolinsylmethyl)- (PCI) (CA INDEX NAME)

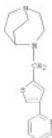


RI 849430-89-3 CAPLUS  
CN 1,4-Diisobutylcyclo[3.2.2]nonane, 4-[(4-phenyl-2-pyridinyl)methyl]- (PCI) (CA INDEX NAME)



RI 849430-90-6 CAPLUS  
CN 1,4-Diisobutylcyclo[3.2.2]nonane, 4-[(5-phenyl-2-pyridinyl)methyl]- (PCI) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

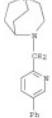


RI 849430-96-0 CAPLUS  
CN 1,4-Diazabicyclo[3.2.2]nonane, 4-[(6-(4-pyridinyl)-2-thienyl)methyl]- (PCI) (CA INDEX NAME)



RI 849430-97-1 CAPLUS  
CN 1,4-Diazabicyclo[3.2.2]nonane, 4-[(6-(4-pyridinyl)-2-thienyl)methyl]- (PCI) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RI 849430-98-7 CAPLUS  
CN 1,4-Diazabicyclo[3.2.2]nonane, 4-[(4-bromo-2-thienyl)methyl]- (PCI) (CA INDEX NAME)



RI 849430-99-8 CAPLUS  
CN 1,4-Diazabicyclo[3.2.2]nonane, 4-[(5-bromo-2-thienyl)methyl]- (PCI) (CA INDEX NAME)



RI 849430-97-9 CAPLUS  
CN 1,4-Diazabicyclo[3.2.2]nonane, 4-[(4-methoxyphenyl)-2-thienyl)methyl]- (PCI) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 (SCL) (CA INDEX NAME)



822 849430-94-2 CAPLUS  
 1,4-Diazabicyclo[3.2.2]nonane, 4-[(4-chlorophenyl)-2-thienylmethyl]-  
 (SCL) (CA INDEX NAME)



822 849430-95-3 CAPLUS  
 1,4-Diazabicyclo[3.2.2]nonane, 4-[(5-(4-methoxyphenyl)-2-thienylmethyl)-  
 (SCL) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 (SCL) (CA INDEX NAME)



822 849430-96-2 CAPLUS  
 1,4-Diazabicyclo[3.2.2]nonane, 4-[(5-(4-chlorophenyl)-2-thienylmethyl)-  
 (SCL) (CA INDEX NAME)

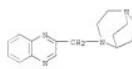


822 849430-97-3 CAPLUS  
 1,4-Diazabicyclo[3.2.2]nonane, 4-[(5-(4-chlorophenyl)-2-thienylmethyl)-  
 (SCL) (CA INDEX NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



822 849430-98-4 CAPLUS  
 1,4-Diazabicyclo[3.2.2]nonane, 4-[(2-quinoxallylmethyl)- (SCL) (CA INDEX  
 NAME)



822 849430-99-5 CAPLUS  
 1,4-Diazabicyclo[3.2.2]nonane, 4-[(2-bromo-5-thiazolylmethyl)- (SCL) (CA INDEX  
 NAME)



822 849431-00-1 CAPLUS  
 1,4-Diazabicyclo[3.2.2]nonane, 4-(5-thiazolylmethyl)- (SCL) (CA INDEX  
 NAME)

L15 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



822 849431-01-2 CAPLUS  
 1,4-Diazabicyclo[3.2.2]nonane, 4-[(2-phenyl-5-thiazolylmethyl)- (SCL) (CA INDEX NAME)



822 849431-02-3 CAPLUS  
 1,4-Diazabicyclo[3.2.2]nonane, 4-[(2-phenyl-1H-imidazol-4-yl)methyl)- (SCL) (CA INDEX NAME)



822 849431-03-4 CAPLUS  
 1,4-Diazabicyclo[3.2.2]nonane, 4-(2-thiazolylmethyl)- (SCL) (CA INDEX  
 NAME)



849431-04-5 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(2-benzothiophenylmethyl)- (PCII) (CA INDEX NAME)



849431-05-6 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(1-methyl-1H-benzimidazol-2-yl)methyl]- (PCII) (CA INDEX NAME)



849431-06-7 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(3-methyl-5-phenyl-2-thienyl)methyl]- (PCII) (CA INDEX NAME)



849431-07-8 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(2-phenyl-4-thienyl)methyl]- (PCII) (CA INDEX NAME)



849431-08-9 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(4-(7-bromophenyl)-2-thienyl)methyl]- (PCII) (CA INDEX NAME)



849431-09-0 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(4-phenyl-2-thienyl)methyl]- (PCII) (CA INDEX NAME)



849431-10-3 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(4-(1,1,1'-biphenyl)-3-yl-2-thienyl)methyl]- (PCII) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS FORMAT.

L15 ANHENA 4 OF 9 CARPUS. COPYRIGHT ©1971 ACS ON STBN  
1971-701425 CARPUS  
SEARCHED \_\_\_\_\_  
INDEXED \_\_\_\_\_  
FILED \_\_\_\_\_  
TITLE CMS  
CNS  
INVENTOR(S) \_\_\_\_\_  
PATENT ASSIGNEE(S) \_\_\_\_\_  
SOURCE \_\_\_\_\_  
DISCLOSURE AND INFORMATION Disclosure and information disclosed herein relate to analogs of bridged imidazolidine alkaloids derivatives for  
disorders, and preparation thereof.  
Boveri, Maynor De Costa, Brian R., Dominguez, Celina  
Bogado, Luis A., Bernal, Luis, Diaz, Luis, Diaz, Luis  
United States Dept. of Health and Human Services, US  
U.S. Pat. Off., Dept. of U.S. Ser. No. 950,359,  
abandoned  
CONTRIBUTOR \_\_\_\_\_  
DOCUMENT TYPE \_\_\_\_\_  
LANGUAGE English  
NUMBER OF PAGES 1  
PATENT INFORMATION \_\_\_\_\_

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5,679,613	A	1997/02/21	US 1994-344304	1994/12/21
1994-344304			US 1992-350304	1992/09/24

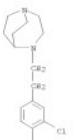


IT its activity in a sigma receptor assay.  
IT 150235-80-6P  
ELs BAC (Biological activity or effector, except adverse); BPI

115 NUMBER 4 OF 9 CARDS COPYRIGHT 2007 MCB on behalf of IACM (Continued)



L15 ANSWER 4 OF 9 CAPTUS COPYRIGHT 2007 ACS ON STH (Continued)  
 prep); HGD (Biological study, unclassified); SRN (Synthetic preparation); TBS (Therapeutic use); BICL (Biological study); PREP (Preparation); PROC (Process); USES (Uses).  
 Laroxil® (daged disbutyrylcyclohexane derivs. for CNS disorders, and gen-  
 eral convulsions).  
 XH 150235-80-4 CAPTUS  
 1,4-Diazabicyclo[3.2.2]nonane, 4-(2-(3,4-dichlorophenyl)ethyl)- (IC)  
 (CA)



RN 198482-87-0 CAPLOS  
CN 1,4-Diazabicyclo[3.2.2]octane, 4-[1-(2-naphthalenyl)ethyl]- (9CI) (CA)

L15 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2007 ACS ON 9TH  
 ACCESS NUMBER: 1995-115469 CAPLUS  
 DOCUMENT NUMBER: 12212855  
 TITLE: Cytotoxic effects of sigma ligands: sigma receptor-mediated alterations in cellular morphology and viability  
 AUTHOR(S): Veltman, Berndt J.; de Costa, Brian R.; Bowen, Wayne  
 CORPORATE SOURCE: United Renal Foundation. Pharmacology. National Inst. of Health. Digestive Kidney Diseases, Bethesda, MD  
 SOURCE: 1992, USA  
 PUBLISHER: Society for Neuroscience (1992), 15(1), Pt. B, 117-124  
 PUBLISHER: Society for Neuroscience (1992), 15(1), Pt. B, 117-124  
 LANGUAGE: English  
 ABSTRACT: AS The morphological effects of several neuroleptics as well as other novel and psychotomimetic agents examined in addition to culturing of SK cells. Sigma ligands caused loss of processes, assumption of spherical shape, and cessation of cell division. The time course and magnitude of this effect were dependent on the concentration of sigma ligand. Continued exposure to sigma compounds ultimately resulted in cell death. However, the morphological effect was reversible when sigma ligand was removed shortly after removal. The potency of omega to produce these effects generally correlated with binding affinity at sigma receptors of CS plasma cell membranes labeled with [<sup>3</sup>H]-omega-pentecetate. At a concentration of 100

haloperidol, reduced haloperidol; fluphenazine, piperazine, trihexyphenidyl, ED50<sub>75</sub>, ED100<sub>75</sub>, and SB344 produced significant effects at 100 nM exposure. Other compounds such as triptorelin, thalidomide, and ibuprofen produced significant effects by 24 h of exposure. Despite the requirement of micromolar concentrations of ligand to evoke a response, the compounds were found to be relatively specific for receptors, showing sigma receptor binding affinity. Neuroleptics lacking potent sigma affinity (e.g., -azepine, benzodiazepine, and tricyclic antidepressants) did not show significant sigma affinity but that are agonists or antagonists at dopamine, serotonin, adrenergic, glutamate, phenothiazine, GABA, opiate, or mGluR receptors. The results indicate that the sigma receptor, at 100 nM, can be saturated by agonists and antagonists, and activated at 100 nM over a period of 72 h. Likewise, blockers and activators of Na<sup>+</sup> and Ca<sup>2+</sup> channels and a monoamine oxidase inhibitor

voided of sigma affinity were without effect. Interestingly, 1,3-dipropyl-2-methoxyimidazoles (DPI), (+)-*p*-hydroxy-*p*-methylbenzylamine, and (+)-*p*-chloro-*p*-methylbenzylamine, and other sigma-agonists and morphinans appeared inactive in up to 72 h of culture. However, these compounds interacted synergistically in up to 72 h of culture.



- L15 ANSWER TO 5 CAPTION COPYRIGHT 2007 ACS OR STM (Continued)  
Ms: RCT (Reactant); SMM (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
[prep] and hydroxylation at)  
32 127793-88-4 CAMPUS  
4,4-Diisobutylcyclo[3.2.2]octane, 4-(phenylethyl)- (FCI) (CA INDEX NAME)



BB 127783-88-4 CAPIUS  
CN 1,4-Diabicyclo[3.2.2]nonane, 4-(phenylmethyl)- (9C1) (CA INDEX NAME)

- L15 NUMBER OF 9 CARLOS COPYRIGHT 2001 ACS ON STN  
ACCESSION NUMBER: 1990427954 CARLOS  
DOCUMENT NUMBER: 11127954  
TITLE: Preparation of diarylcyclonexanes as intermediates  
for antiulcer spiroolones  
INVENTOR(S): Friedman, Robert C.; Lackey, John W.; O'Neill, Brian  
PCT/US99/03130  
PATENT ATTACHEE(S): Pfizer Inc., USA  
SOURCE: EPO  
COUNTRY: US  
DOCUMENT TYPE: Application  
LANGUAGE: English  
FAMILY SIZE: 12  
PCT/US99/03130  
CROSS-REFS: 2

PATENT NO.	NAME	DATE	APPLICATION NO.	DATE
US 4995343	A 199004123	US 1988-262542	19910312	
DE 3634452	A 199004123	DE 1988-262542	19910312	
EP 363501	A 199009022	EP 1988-262542	19910309	19910113
DE 363501	A 199101022	DE 1988-262542	19910309	19910113
Rt At, BE, CH, DE, ES, Fr, GR, IT, LU, NL, SE				
CA 2001113	A 199004252	CA 1988-2001113	19910117	19910117
DK 9504230	A 199004252	DK 1988-2001113	19910117	19910117
ES 9504230	A 199004252	ES 1988-2001113	19910117	19910117
NO 172055	A 199025222	NO 1988-4270	19910117	19910117
GB 1993700	C 199005052	GB 1988-43700	19910117	19910117
US 4993700	A 199005052	US 1988-43700	19910124	19910124
DK 943842	A 199102202	DK 1989-5422	19910124	19910124
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HU 205116	A 199202302	HU 1988-3047	19910124	19910124
DK 2117476	A 199007002	DK 1983-3047	19910124	19910124
DK 2117476	A 199007002	DK 1983-278301	19910125	19910125
	A 199412072			
PRIORITY APPLN. INFO.				
		US 1988-262542	19910125	

OTHER SOURCE(S) : CASREACT 113:23956; MARPAT 113:23956



AB Bicyclic compds. I [R2 = (substituted) naphthoyl, benzyl, benzoyl, etc.] were prepared. Treatment of 4-phenylmethoxy-3-[2-hydroxyethyl]-1,4-diazepine with  $\text{SOCl}_2$ , ring closure, hydrolysis over  $\text{Pd}(\text{OH})_2$ , and treatment with toluenesulfonic acid, gave 3,4-diazabicyclo[3.2.2]nonane diacetate salt.

- L15 ANTHONY S F CAPONI COPYRIGHT 2007 ACS ON STN (Continued)  
J1 12730-33-04 CAPUS  
JL RXC NCT (Reactant); SMN (Synthetic preparation); PREP (Preparation); RAN (Reactant or reagent)  
[preparation and reaction of, in preparation of intermediate for quinolone  
quinolone  
antibacterials]  
RS 12730-33-04 CAPUS  
RA 12730-33-04 2,2-dimethyl-2,2-diphenyl-4-(phenylmethoxy)-6-(phenylmethoxy)-3-oxane, 4a,6a-bis(phenylmethoxy)-3-oxane (RXC) (CA INDEX NAME)



- L15 ANSWER 9 OF 9 CAPLUS, CPG1927 2007 ACS on STN  
ACCESSION NUMBER: 19771554464 CAPLUS  
DOCUMENT NUMBER: 19771554464  
TITLE: Syntesis and pharmacological study of quinolinic acid analogs of sulpiride and butidone  
AUTHOR(S): Sharapov, I. V.; Kostyleva, N. A.; Koroleva, N. A.; Sharapov, I. P.; Polozheva, A. I.; Markovskaya, N. D.; V. Yakhotov, L. N.  
CORPORATE SOURCE: Vsesoyuznyi Nauchno-Prakticheskii Khim.-Farm. Inst. im. G. Dzhiniklo-Farmatsevicheskii Akademii Nauk SSSR  
SOURCE: Dokl. Akad. Nauk SSSR, 1977, v. 235, p. 1111-1114  
DOCUMENT TYPE: COEUR-KFTAN; ISSN: 0023-1134  
JOURNAL: Dokl. Akad. Nauk SSSR



AB (In this abstract R = 5-sulfamoyl-*o*-anisoyl). Reaction of quinsclidines (I<sub>1</sub>) = 2-CH<sub>2</sub>NH<sub>2</sub>, 3-NH<sub>2</sub>, 4-NH<sub>2</sub>, X = bond, CH<sub>2</sub>CH<sub>2</sub>, OCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>) with ROEt gave 84-97% I (R = 2-CH<sub>2</sub>NH<sub>2</sub>, 3-NH<sub>2</sub>, 4-NH<sub>2</sub>). Similar treatment of II (I<sub>1</sub> = H) gave 97% III (R = R'). III [X = bond, (CH<sub>2</sub>)<sub>3</sub>] were preparation similarly in 84-97% yield. Treatment of Et 3-quinsclidinecarboxylate

with 2-thienylmagnesium bromide gave 36.7% 3-quinuclidinylid-2-thienylcarbinol, which was dehydrated to give 6% methylene derivative. None of the prepared

compsd. In narcotic analgesic activity. LD<sub>50</sub> were 9.3-415.0 mg/kg (in i.v. white mice). In narcotic analgesic activity. LD<sub>50</sub> all prepared compsds. at 3-10 mg/kg simultaneously increased the arterial pressure. The quinsclidine derivs. did not have favorable antinociceptive properties when compared to bithiophane nor did they have significant activity on the cholinergic and histaminergic systems.

17 62190-13-6P  
K1: SPP (Synthetic preparation); PREP (Preparation)  
[preparation and pharmaco. of]  
28 62190-13-6 CNUPLS  
C8: Bemantide,  
S: Bemantide; C19: 1-(1-*Acetoxy*-3-*Acetyl*-5-*Hydroxy*-2-*Methyl*-4-*Pentenyl*)-2-*Hydroxy*-3-*Methyl*-4-*Pentenoate*

2-(aminoacetoxy)-3-[2-(1,4-diaza-2-*c*)c10[3.3.2]non-4-*y*]-2-methoxy- (9CI) (CA INDEX NAME)



IT 42130-14-3  
ELI: EC3 (Reactants); RMCT (Reactant or reagent)  
(reaction of, with methyl sulfanylanilinate)  
IU 42130-14-3 CGP175  
CS 1,4-Dimethylcyclo[1.2.2]nonane-4-propanamine (WC1) (CA INDEX NAME)



=> log hold  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
CA SUBSCRIBER PRICE

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	50.72	789.03
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)		
CA SUBSCRIBER PRICE	-7.02	-35.10

SESSION WILL BE HELD FOR 120 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 17:56:35 ON 19 SEP 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAJHM1624

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 2 JUL 02	LMEDLINE coverage updated
NEWS 3 JUL 02	SCISEARCH enhanced with complete author names
NEWS 4 JUL 02	CHEMCATS accession numbers revised
NEWS 5 JUL 02	CA/Caplus enhanced with utility model patents from China
NEWS 6 JUL 16	Caplus enhanced with French and German abstracts
NEWS 7 JUL 18	CA/Caplus patent coverage enhanced
NEWS 8 JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9 JUL 30	USGENE now available on STN
NEWS 10 AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 11 AUG 06	FSTA enhanced with new thesaurus edition
NEWS 12 AUG 13	CA/Caplus enhanced with additional kind codes for granted patents
NEWS 13 AUG 20	CA/Caplus enhanced with CAS indexing in pre-1907 records
NEWS 14 AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 15 AUG 27	USPATOLD now available on STN
NEWS 16 AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 17 SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 18 SEP 13	FORIS renamed to SOFIS
NEWS 19 SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 20 SEP 17	CA/Caplus enhanced with printed CA page images from 1967-1998
NEWS 21 SEP 17	Caplus coverage extended to include traditional medicine patents

NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements  
NEWS 23 OCT 02 CA/Caplus enhanced with pre-1907 records from *Chemisches Zentralblatt*  
NEWS 24 OCT 19 BEILSTEIN updated with new compounds  
NEWS 25 NOV 15 Derwent Indian patent publication number format enhanced

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,  
CURRENT MACINTOSH VERSION IS V6.0C (ENG) AND V6.0JC (JP),  
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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COST IN U.S. DOLLARS

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FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 14 NOV 2007 HIGHEST RN 953817-57-7  
DICTIONARY FILE UPDATES: 14 NOV 2007 HIGHEST RN 953817-57-7

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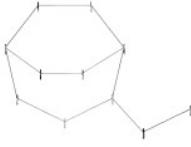
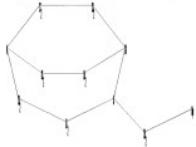
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<http://www.cas.org/support/stndgen/stndoc/properties.html>

=>  
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10 11

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

7-10 10-11

ring bonds :

1-2 1-7 2-3 3-4 3-8 4-5 5-6 6-7 6-9 8-9

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exact bonds :

7-10

Match level :

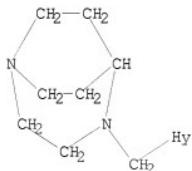
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11:Atom

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=> d 11

L1 HAS NO ANSWERS

L1 STR



10573132.trn

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED -      3834 TO ITERATE

52.2% PROCESSED      2000 ITERATIONS          0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:      72967 TO     80393
PROJECTED ANSWERS:         0 TO      0

L2      0 SEA SSS SAM L1

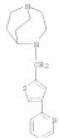
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FULL SCREEN SEARCH COMPLETED -      77369 TO ITERATE

100.0% PROCESSED      77369 ITERATIONS        46 ANSWERS
SEARCH TIME: 00.00.04

L3      46 SEA SSS FUL L1

=> d scan
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L3 44 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 1H 1,4-Diisobutyrylo[3.2.2]nonane, 4-[(4-(2-pyridyl)-2-thienyl)methyl]-  
 MF C17 H21 N1 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L3 46 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 1H 1,4-Diisobutyrylo[3.2.2]nonane, 4-[(4-(4-chlorophenyl)-2-thienyl)methyl]-  
 MF C18 H23 Cl1 N2 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

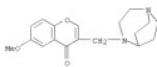
L3 44 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 1H 1,4-Diisobutyrylo[3.2.2]nonane, 4-(2-thienylmethyl)-  
 MF C11 H17 N1 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 46 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 1H Fornic acid, compd. with 3-[1,4-disobutyrylo[3.2.2]non-4-ylmethyl]-6-  
 methoxy-4H-1-benzopyran-4-one (1:1)  
 MF C18 H22 O2 C1 N2 O2 . C H2 O2

CH 1



CH 2

CH=CH-C=CH

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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SINCE FILE          TOTAL
ENTRY             SESSION
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FULL ESTIMATED COST
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LA ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS ON STN

ACCESSION NUMBER: 20051141028 CAPLUS

DOCUMENT NUMBER: 14446878

TITLE: 1,2-dihydro-1,2-dihydro-1,2-benzodiazepin-1-one, 1,2-dihydro-1,2-dihydro-1,2-benzodiazepin-1-one, and oximes as w7

Painkilling receptor agonists, their preparation, pharmaceutical compositions containing them, and their use.

INVENTOR(S): Xie, Mengqi; Hebert, Stanley; Schreiber, Richard A.; Ma, Jiangyou; Nguyen, Tran Minh; Gaxax, Carla Maria;

THE INVENTION RELATES TO HETEROAROMATIC COMPOUNDS.

PATENT ASSIGNEE: Novartis Pharmaceuticals Corporation, USA

SOURCE: U.S. Pat. Appl., 143 pp.

COUNTRY: PIRATES

PATENT TYPE: patent

LANGUAGE: English

FAMILY ACT. REG. COUNTS: 1

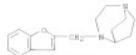
PATENT INFORMATION:

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WO 20051141028	A2	20060931		
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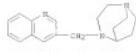
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RU 849430-64-2 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(benzo[b]thien-3-ylmethyl)- (CA INDEX NAME)



RU 849430-69-3 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(3-quinolinylmethyl)- (CA INDEX NAME)



RU 849430-70-2 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(2-quinolinylmethyl)- (CA INDEX NAME)



RU 849430-76-0 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-((6-phenyl-2-pyridinyl)methyl)- (CA INDEX NAME)



RU 849430-79-1 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-((4-bromo-2-furyl)methyl)- (CA INDEX NAME)



RU 849430-71-3 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-((4-phenyl-2-thienyl)methyl)- (CA INDEX NAME)



RU 849430-72-4 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-((5-(2-pyridinyl)-2-thienyl)methyl)- (CA INDEX NAME)



RU 849430-84-8 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-((5-(4-pyridinyl)-2-thienyl)methyl)- (CA INDEX NAME)



RU 849430-85-3 CAPLUS  
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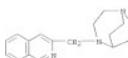
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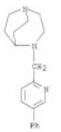
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1,4-Diazabicyclo[3.2.2]nonane, 4-[4-(3-isoquinolinylmethyl)-  
(CA INDEX NAME)



849430-99-3 CAPLUS  
1,4-Diazabicyclo[3.2.2]nonane, 4-[4-(4-phenyl-2-pyridinyl)methyl]-  
(CA INDEX NAME)



849430-99-6 CAPLUS  
1,4-Diazabicyclo[3.2.2]nonane, 4-[4-(5-phenyl-2-pyridinyl)methyl]-  
(CA INDEX NAME)



849430-91-7 CAPLUS  
1,4-Diazabicyclo[3.2.2]nonane, 4-[4-(4-bromo-2-thienyl)methyl]-  
(CA INDEX NAME)



849430-92-8 CAPLUS  
1,4-Diazabicyclo[3.2.2]nonane, 4-[4-(4-chlorophenyl)-2-thienyl]methyl-  
(CA INDEX NAME)



849430-93-9 CAPLUS  
1,4-Diazabicyclo[3.2.2]nonane, 4-[4-(4-methoxyphenyl)-2-thienyl]methyl-  
(CA INDEX NAME)



849430-94-0 CAPLUS  
1,4-Diazabicyclo[3.2.2]nonane, 4-[4-(4-chlorophenyl)-2-thienyl]methyl-  
(CA INDEX NAME)



849430-95-1 CAPLUS  
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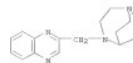
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CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(5-(4-chlorophenyl)-2-thienyl)methyl]-  
(CA INDEX NAME)



RI 849430-97-3 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(5-(3-chlorophenyl)-2-thienyl)methyl]-  
(CA INDEX NAME)



RI 849430-99-4 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(2-quinoxalylmethyl)-  
(CA INDEX NAME)



RI 849430-99-5 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(2-bromo-5-thienyl)methyl]-  
(CA INDEX NAME)



RI 849431-00-1 CAPLUS

14 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(2-thienylmethyl)-  
(CA INDEX NAME)



RI 849431-01-2 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(2-phenyl-5-thienyl)methyl]-  
(CA INDEX NAME)



RI 849431-02-3 CAPLUS  
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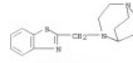


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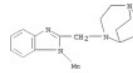
14 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(2-thienylmethyl)-  
(CA INDEX NAME)



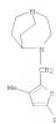
RI 849431-04-5 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-(2-benzothiophenylmethyl)-  
(CA INDEX NAME)



RI 849431-05-6 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(1-methyl-1H-benzimidazol-2-yl)methyl]-  
(CA INDEX NAME)



RI 849431-06-7 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(3-methyl-5-phenyl-2-thienyl)methyl]-  
(CA INDEX NAME)



849431-07-3 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(2-phenyl-4-thiaziolyl)methyl]- (CA INDEX NAME)



849431-09-3 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(4-(3-bromophenyl)-2-thiaziolyl)methyl]- (CA INDEX NAME)



849431-09-0 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(4-phenyl-2-thiaziolyl)methyl]- (CA INDEX NAME)



849431-10-3 CAPLUS  
CH 1,4-Diazabicyclo[3.2.2]nonane, 4-[(4-[1,1'-biphenyl]-3-yi-2-thiaziolyl)methyl]- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.56	-1.56

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